From: Jay Field
To: Blischke.Eric@epamail.epa.gov
Cc: Shephard.Burt@epamail.epa.gov; Goulet.Joe@epamail.epa.gov
Subject: Re: Fw: Logistic Regression Mapping Task
Date: 09/20/2010 12:20 PM

Eric,
I used all CAT1 data with both TOC and Fines measured.
Jay

Blischke.Eric@epamail.epa.gov wrote:
> Here is the first map from Margaret.
>
> Jay, what is the criteria you used for selecting samples to be included.
> Was it just whether TOC and %fines data was available? Are the results
> all QA2 (suitable for risk assessment) data?
>
> Eric
> ----- Forwarded by Eric Blischke/R10/USEPA/US on 09/20/2010 10:09 AM
> -----
>
> From: Margaret Spence <MSpence@parametrix.com>
>
> To: Eric Blischke/R10/USEPA/US@EPA
>
> Date: 09/20/2010 09:33 AM
>
> Subject: RE: Logistic Regression Mapping Task
>
>
>
>
>
>
> Eric--
>
> Here's a quick map of Pmax for the Benthic LRM stations. It looks like
> the stations extend quite a ways up river. Let me know if you don't
> need all of the upriver stations shown. The stations are pretty dense,
> so to be able to display concentrations for individual chemicals, I'll
> need to break the area down into several map sheets (i.e., multiple
> sheets per each of the 30 chemicals). I can also generate an overall
> map like this one for each chemical showing only the probability of
> toxicity for a project-area-wide look. Let me know your thoughts.
>
> Thanks.
> Margaret
>
> -----Original Message-----
> From: Margaret Spence
> Sent: Friday, September 17, 2010 1:30 PM
> To: 'Blischke.Eric@epamail.epa.gov'
> Subject: RE: Logistic Regression Mapping Task
>
> Eric--
>
> I've looked at the files you sent, and everything appears to make sense
> at this stage.
>
> Margaret
>
> -----Original Message-----
> From: Blischke.Eric@epamail.epa.gov [
> mailto:Blischke.Eric@epamail.epa.gov]
> Sent: Thursday, September 16, 2010 4:07 PM
> To: Margaret Spence
> Cc: Brad Hermanson; Shephard.Burt@epamail.epa.gov
> Subject: Logistic Regression Mapping Task
>
>
> Margaret, to follow-up to our discussion, here are the files of the data
> we would like to see mapped.
>
> The first (smaller) file presents the PMAX values for approximately 2000
> sediment stations at the PH site; x,y coordinates are provided. We
> would like to map the PMAX values as an interpolated surface. Use
> whatever color scheme you would like but just know that the key cutoff
> values are PMAX >= to 0.5 and PMAX >= to 0.75.
>
> The second file (larger) file presents the results for 30 individual
> chemicals and the approximately 2000 sediment samples. I am interested
> in plotting the probability results for each chemical (30 maps). For
> each chemical, the probability of toxicity should be mapped. Sample
> results should be color coded based on the above probability thresholds
> - green <0.5; blue > 0.5, < 0.75; and red - >0.75. Chemical
> concentrations are also include in this file in both model units and dry
> weight units. It may be useful to have the dry weight chemical
> concentration presented in addition to probability.
>
> This brings me to the final file ph_models_adj_100818b) which presents
> the concentration thresholds for the 25%, 50% and 75% probability of
> toxicity. The concentration results are presented in model units
> (normalized) and as a dry-weight estimate. This file is just for your
> information.
>
> Look these over and give me a call with any questions.

>
> Thanks, Eric
>
> (See attached file: PH_AllData_PR5_100915B.DBF)(See attached file:
> Ph_alldata_allmodels_100916.DBF)(See attached file:
> ph_models_adj_100818b.xls)
> (See attached file: Benthic_LRM_Results_092010.pdf)

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